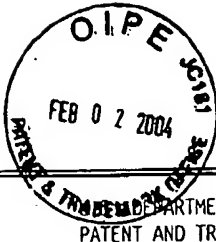




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			FILING DATE: June 27, 2003	
GROUP: 1645				
OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)				
SD	A	Abaibou, H. et al., "A gene in the <i>recA</i> locus affects the virulence potential of <i>Porphyromonas gingivalis</i> W83," Abstract, <i>Periodontal Research</i> , p. 232		
	B	Abaibou, H. et al., " <i>vimA</i> Gene Downstream of <i>recA</i> Is Involved in Virulence Modulation in <i>Porphyromonas gingivalis</i> W83," <i>Infect. Immun.</i> 69:325-335, Jan. 2001		
	C	Aduse-Opoku, Joseph et al., "Characterization, Genetic Analysis, and Expression of a Protease Antigen (PrpRI) of <i>Porphyromonas gingivalis</i> W50," <i>Infection and Immunity</i> 63(12):4744-4754 (1995)		
	D	Anderson, D.M. et al., "Functional Properties of Nonhuman Primate Antibody to <i>Porphyromonas gingivalis</i> ," <i>Infection and Immunity</i> 63(9):3245-3252 (1995)		
	E	Barkocy-Gallagher, Genevieve A. et al., "Analysis of the <i>prtP</i> Gene Encoding Porphyain, a Cysteine Proteinase of <i>Porphyromonas gingivalis</i> ," <i>Journal of Bacteriology</i> 178(10):2734-2741 (1996)		
	F	Beck, James et al., "Periodontal Disease and Cardiovascular Disease," <i>J Periodontol</i> 67(10):1123-1137 (1996)		
	G	Booth, V. et al., "Passive Immunization with Monoclonal Antibodies against <i>Porphyromonas gingivalis</i> in Patients with Periodontitis," <i>Infection and Immunity</i> 64(2):422-427 (1996)		
	H	Chen, Priscilla B. et al., "Effect of Immunization on Experimental <i>Bacteroides gingivalis</i> ," <i>Infection and Immunity</i> , 55(10):2534-2537 (Oct. 1987)		
	I	Chen, T. et al., " <i>Porphyromonas gingivalis</i> Gingipains and Adhesion to Epithelial Cells," <i>Infect. Immun.</i> 69:3048-3056, May 2001.		
	J	Christersson, L.A. et al., "Specific Subgingival Bacteria and Diagnosis of Gingivitis and Periodontitis," <i>J Dent Res</i> 68:1633-1639 (1989)		
	K	Devereux, John et al., "A comprehensive set of sequence analysis programs for the VAX," <i>Nucleic Acids Research</i> 12(1):387-395 (1984)		
	L	Dickinson, Douglas P. et al., "Molecular Cloning and Sequencing of the Gene Encoding the Fimbrial Subunit Protein Protein of <i>Bacteroides gingivalis</i> ," <i>Journal of Bacteriology</i> 170(4):1658-1665 (1988)		
	M	Dusek, David M. et al., "Systemic and Mucosal Immune Responses in Mice Orally Immunized with Avirulent <i>Salmonella typhimurium</i> Expressing a Cloned <i>Porphyromonas gingivalis</i> Hemagglutinin," <i>Infection and Immunity</i> 62(5):1652-1657 (1994)		
	N	Dybvig, Kevin et al., "Degenerate Oligonucleotide Primers for Enzymatic Amplification of <i>recA</i> Sequences from Gram-Positive Bacteria and Mycoplasmas," <i>Journal of Bacteriology</i> 174(8):2729-2732 (1992)		
	O	Ebersole, J. L. et al., "Murine Model for Virulence Characteristics of Periodonto-pathogens," Abstract 837, <i>J. Dent. Res.</i> 68:286, 1989		
SD	P	Fletcher, Hansel M. et al., "Virulence of a <i>Porphyromonas gingivalis</i> W83 Mutant Defective in the <i>prtH</i> Gene," <i>Infection and Immunity</i> 63(4):1521-1528 (1995)		
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SD	Q	Fletcher, Hansel M. et al., "Nucleotide Sequence of the <i>Porphyromonas gingivalis</i> W83 <i>recA</i> Homolog and Construction of a <i>recA</i> -Deficient Mutant," <u>Infection and Immunity</u> 65(1):4592-4597 (1997)		
	R	Fletcher, H.M., "Virulence of <i>recA</i> -defective mutants of <i>Porphyromonas gingivalis</i> W83, <u>Abstracts of the 97th General Meeting of the American Society for Microbiology</u> , abstract B-424, p. 101, Miami Beach, Florida, May 4-8, 1997		
	S	Genco, C.A. et al., "Characterization of a Tn4351-Generated Hemin Uptake Mutant of <i>Porphyromonas gingivalis</i> : Evidence for the Coordinate Regulation of Virulence Factors by Hemin," 63(7):2459-2466 (1995)		
	T	Genco, C.A. et al., "A Peptide Domain on Gingipain R Which Confers Immunity against <i>Porphyromonas gingivalis</i> Infection in Mice," <u>Infection and Immunity</u> , 66(9):4108-4114 (Sept. 1998)		
	U	Goodman, Heide J.K. et al., "Molecular analysis of the <i>Bacteroides fragilis recA</i> gene," <u>Gene</u> 94:77-82 (1990)		
	V	Hamada, Nobushiro et al., "Construction and Characterization of a <i>fimA</i> Mutant of <i>Porphyromonas gingivalis</i> ," <u>Infection and Immunity</u> 62(5):1696-1704 (1994)		
	W	Hoover, Charles I. et al., "Transposon-induced pigment-deficient mutants of <i>Porphyromonas gingivalis</i> ," <u>FEMS Microbiology Letters</u> 124:43-48 (1994)		
	X	Houston, Laura et al., "Response of Guinea Pigs to a Vaccine Containing a New Adjuvant (SAF) and Gram-Negative Bacteria," <u>Laboratory Animal Science</u> , 45(1):59-66 (1995)		
	Y	Kadowaki, T. et al., "Arg-gingipain Acts as a Major Processing Enzyme for Various Cell Surface Proteins in <i>Porphyromonas gingivalis</i> ," <u>J. Biol. Chem.</u> 273:29072-29076, Oct. 1998		
	Z	Kawashima, Hitoshi et al., "Functional Domains of <i>Escherichia coli recA</i> Protein Deduced from the Mutational Sites in the Gene," <u>Mol Gen Genet</u> 193:288-292 (1984)		
	AA	Kesavalu, L. et al., " <i>Porphyromonas gingivalis</i> Virulence in Mice: Induction of Immunity to Bacterial Components," <u>Infection and Immunity</u> 60(4):1455-1464 (1992)		
	AB	Kelly, C.G. et al., "The Relationship Between Colonization and Haemagglutination Inhibiting and B Cell Epitopes of <i>Porphyromonas gingivalis</i> ," <u>Clin. Exp. Immunol.</u> 110:285-291, No. 1997		
	AC	Kesavalu, L. et al., "Trypsin-like protease activity of <i>Porphyromonas gingivalis</i> as a potential virulence factor in a murine lesion model," <u>Microbial Pathogenesis</u> 20:1-10 (1996)		
	AD	Klausen, B. et al., "Periodontal Bone Level and Gingival Proteinase Activity in Gnotobiotic Rats Immunized With <i>Bacteroides gingivalis</i> ," <u>Oral Microbiol. Immunol.</u> 6:193-201, 1991		
	AE	Kolenbrander, Paul E. et al., "Adhere Today, Here Tomorrow: Oral Bacterial Adherence," <u>Journal of Bacteriology</u> 175(11):3247-3252 (1993)		
SD	AF	Kuboniwa, M. et al., "Hemoglobin-Binding Protein Purified from <i>Porphyromonas gingivalis</i> Is Identical to Lysine-Specific Cysteine Proteinase (Lys-Gingipain)," <u>Biochem. Biophys. Res. Commun.</u> 249:38-43, 1998		
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SD	AG	Kuramitsu, H. et al., "Multiple colonization defects in a cysteine protease mutant of <i>Porphyromonas gingivalis</i> ," <u>Journal of Periodontal Research</u> 32:140-142 (1997)			
	AH	Lee, Jin-Yong et al., " <i>Porphyromonas (Bacteroides) gingivalis</i> Fimbrillin: Size, Amino-Terminal Sequence, and Antigenic Heterogeneity," <u>Infection and Immunity</u> 59(1):383-389 (1991)			
	AI	McKee, Ailsa S. et al., "Isolation of colonial variants of <i>Bacteroides gingivalis</i> W50 with a reduced virulence," <u>J. Med. Microbiol.</u> 27:59-64 (1988)			
	AJ	Malek, R. et al., "Inactivation of the <i>Porphyromonas gingivalis</i> <i>fimA</i> Gene Blocks Periodontal Damage in Gnotobiotic Rats," <u>Journal of Bacteriology</u> 176(4):1052-1059 (1994)			
	AK	Mayrand, D. et al., "Biology of Asaccharolytic Black-Pigmented <i>Bacteroides</i> Species," <u>Microbiological Reviews</u> 52(1):134-152 (1988)			
	AL	Moritz, Alan J. et al., "Immunization With <i>Porphyromonas gingivalis</i> Cysteine Protease: Effects on Experimental Gingivitis and Ligature-Induced Periodontitis in <i>Macaca fascicularis</i> ," <u>J Periodontol</u> 69(6):686-697 (1998)			
	AM	Nakayama, Koji et al., "Construction and Characterization of Arginine-specific Cysteine Proteinase (Arg-gingipain)-deficient Mutants of <i>Porphyromonas gingivalis</i> ," <u>The Journal of Biological Chemistry</u> 270(4):23619-23626 (1995)			
	AN	Nakayama, Koji et al., "Haemoglobin receptor protein is intragenetically encoded by the cysteine proteinase-encoding genes and the haemagglutinin-encoding gene of <i>Porphyromonas gingivalis</i> ," <u>Molecular Microbiology</u> 27(1):51-61 (1998)			
	AO	Nakayama, K. et al., "Involvement of Arginine-Specific Cysteine Proteinase (Arg-Gingipain) in Fimbriation of <i>Porphyromonas gingivalis</i> ," <u>J. Bacteriol.</u> 178:2818-2824, May 1996			
	AP	O'Brien-Simpson N. M. et al., "Role of RgpA, RgpB, and Kgp Proteinase in Virulence of <i>Porphyromonas gingivalis</i> W50 in a Murine Lesion Model," <u>Infection and Immunity</u> 69:7527-7534, Dec. 2001			
	AQ	Okamoto, K. et al., "Involvement of a Lysine-specific Cysteine Proteinase in Hemoglobin Adsorption and Heme Accumulation by <i>Porphyromonas gingivalis</i> ," <u>J. Biol. Chem.</u> 273:21225-21231, 1998.			
	AR	Okamoto, Kuniaki et al., "Cloning and Sequencing of the Gene Encoding a Novel Lysine-Specific Cysteine Proteinase (Lys-Gingipain) in <i>Porphyromonas gingivalis</i> : Structural Relationship with the Arginine-Specific Cysteine Proteinase (Arg-Gingipain)," <u>J. Biochem</u> 120:398-406 (1996)			
	AS	Park, Yoonsuk et al., "Characterization of the <i>tpa</i> Gene Product and Isolation of a Specific Protease-Deficient Mutant of <i>Porphyromonas gingivalis</i> W83," <u>Infection and Immunity</u> 61(10):4139-4146 (1993)			
SD	AT	Pearce, B.J. et al., "The <i>rec</i> Locus, a Competence-Induced Operon in <i>Streptococcus pneumoniae</i> ," <u>Journal of Bacteriology</u> 177(1):86-93 (1995)			
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SD	AU	Pavloff, Nadine et al., "Molecular Cloning and Characterization of <i>Porphyromonas gingivalis</i> Lysin-specific Gingipain," <u>The Journal of Biological Chemistry</u> 272(3):1595-1600 (1997)		
	AV	Pavloff, Nadine et al., "Molecular Cloning and Structural Characterization of the Arg-gingipain Proteinase of <i>Porphyromonas gingivalis</i> ," <u>The Journal of Biological Chemistry</u> 270(3):1007-1010 (1995)		
	AW	Rajapakse P. S. et al., "Immunization with the RgpA-Kgp Proteinase-Adhesin Complexes of <i>Porphyromonas gingivalis</i> Protects Against Periodontal Bone Loss in the Rat Periodontitis Model," <u>Infect. Immun.</u> 70:2480-2486, May 2002		
	AX	Rangarajan, Minnie et al., "The <i>prpR1</i> and <i>prR2</i> arginine-specific protease genes of <i>Porphyromonas gingivalis</i> W50 produce five biochemically distinct enzymes," <u>Molecular Microbiology</u> 23(5):955-965 (1997)		
	AY	Sambrook, J. et al., "Electrophoresis of RNA through Gels Containing Formaldehyde," <u>Molecular Cloning: A Laboratory Manual</u> 2:7.43-7.53 (1989)		
	AZ	Schenkein, Harvey A. et al., "Increased Opsonization of a <i>prtH</i> -Defective Mutant of <i>Porphyromonas gingivalis</i> W83 Is Caused by Reduced Degradation of Complement-Derived Opsonins," <u>The Journal of Immunology</u> 5331-5337		
	BA	Schenkein, Harvey A., "The effect of periodontal proteolytic <i>Bacteroides</i> species on proteins of the human complement system," <u>Journal of Periodontal Research</u> 23:187-192 (1988)		
	BB	Shah, H.N. et al., "Studies on the virulence properties and metabolism of pleiotropic mutants of <i>Porphyromonas gingivalis</i> (<i>Bacteroides gingivalis</i>) W50," <u>Oral Microbiol Immunol</u> 4:19-23 (1989)		
	BC	Shah, H.N. et al., "Proposal for Reclassification of <i>Bacteroides asaccharolyticus</i> , <i>Bacteroides gingivalis</i> , and <i>Bacteroides endodontalis</i> in a New Genus, <i>Porphyromonas</i> ," <u>International Journal of Systematic Bacteriology</u> 38(1):128-131 (1988)		
	BD	Stroehner, Uwe H. et al., "Gene sequence of <i>recA</i> ⁺ and construction of <i>recA</i> mutants of <i>Vibrio cholerae</i> ," <u>Mol Gen Genet</u> 244:295-302 (1994)		
	BE	Thompson, Stuart A. et al., "Isolation of the <i>Helicobacter pylori recA</i> Gene and Involvement of the <i>recA</i> region in Resistance to Low pH," <u>Infection and Immunity</u> 63(6):2185-2193 (1995)		
	BF	Tokuda, M. et al., "Role of <i>Porphyromonas gingivalis</i> Protease Activity in Colonization of Oral Surfaces," <u>Infect. Immun.</u> 64:4067-4073, Oct. 1996		
SD	BG	Tokuda, Masayuki et al., "Role of Arg-Gingipain A in Virulence of <i>Porphyromonas gingivalis</i> ," <u>Infection and Immunity</u> 66(3):1159-1166 (1998)		
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